WHAT IS CLAIMED IS:

1. A motortricycle with oscillation mechanism, comprising:

a rear suspension having left and right suspension arms respectively swingably mounted onto a vehicle body frame;

rear wheels mounted respectively onto tip ends of said left and right suspension arms;

an oscillation mechanism permitting leftward and rightward oscillation of said vehicle body frame relative to the rear suspension, the oscillation mechanism being provided between said rear suspension and said vehicle body frame; and

an engine for driving said left and right rear wheels supported on said vehicle body frame,

wherein said engine is capable of oscillating together with said vehicle body frame.

2. The motortricycle with oscillation mechanism as set forth in claim 1, wherein said engine is supported on said vehicle body frame through a rubber mount.

3. The motortricycle with oscillation mechanism as set forth in claim 1, wherein said engine is supported on said vehicle body frame through a plurality of links.

4. The motortricycle with oscillation mechanism as set forth in claim 1, said vehicle body frame surrounds front and rear sides and upper and lower sides of said engine, and at least a rear portion of said vehicle body frame is comprised of a single pipe.

5. The motortricycle with oscillation mechanism as set forth in claim 2, wherein the rubber mount includes a main body portion oscillatably mounted onto an

upper side of the engine through a support shaft and oscillatably mounted onto sides of brackets through a support shaft, and stopper rubbers mounted onto the main body portion so as to be brought into contact with the lower surface of a center upper frame of the motortricycle.

6. The motortricycle with oscillation mechanism as set forth in claim 4, wherein said single pipe is J-shaped.

7. The motortricycle with oscillation mechanism as set forth in claim 4, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the upper side of said engine.

8. The motortricycle with oscillation mechanism as set forth in claim 4, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the lower side of said engine.

9. The motortricycle with oscillation mechanism as set forth in claim 4, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the upper side of said engine.

10. The motortricycle with oscillating mechanism as set froth in claim 8, wherein said single pipe of said rear portion is connected to lower pipes of a front frame through the Y-shaped branched portion and a U pipe.

11. An engine support structure and a vehicle body frame support structure for supporting the engine, comprising:

left and right suspension arms respectively swingably mounted onto a vehicle body frame;

rear wheels mounted respectively onto tip ends of said left and right suspension arms;

an oscillation mechanism permitting leftward and rightward oscillation of said vehicle body frame relative to a suspension arm side, the oscillation mechanism being provided between said suspension arm side and a vehicle body frame side; and

an engine for driving said left and right rear wheels mounted onto said vehicle body frame,

wherein said engine is capable of oscillating together with said vehicle body frame.

12. The engine support structure and a vehicle frame support structure for supporting the engine as set forth in claim 11, wherein said engine is supported on said vehicle body frame through a rubber mount.

13. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 11, wherein said engine is supported on said vehicle body frame through a plurality of links, wherein not all of the links have lengths that are equal.

14. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 11, said vehicle body frame surrounds front and rear sides and upper and lower sides of said engine, and at least a rear portion of said vehicle body frame is comprised of a single pipe.

15. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 12, wherein the rubber mount includes a main body portion oscillatably mounted onto a upper side of the engine through a support shaft and oscillatably mounted onto sides of brackets through a support shaft, and stopper rubbers mounted onto the main body portion so as to be brought into contact with the lower surface of a center upper frame of the vehicle body frame.

16. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 14, wherein said single pipe is J-shaped.

17. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 14, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the upper side of said engine.

18. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 14, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the lower side of said engine.

19. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 14, wherein said single pipe of said rear portion is connected to a front frame through a Y-shaped branched portion on the upper side of said engine.

20. The engine support structure and a vehicle body frame support structure for supporting the engine as set forth in claim 18, wherein said single pipe of said rear portion is connected to lower pipes of a front frame through the Y-shaped branched portion and a U pipe.